HallStar
Right Chemistry...Positive Solutions

PRODUCT INFORMATION SHEET

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Product Name: TP-759(tm)

MIXED ETHER ESTERS

Description:
TP-759™ is a mixed ether ester type plasticizer that exhibits low volatility. Compounds made with TP-759 retain their properties after heat aging. TP-759 can be used to develop optimum low temperature flexibility characteristics in fuel hose, automotive parts, wire jacketing, and a wide variety of molded and extruded products.

Suggested Uses:
Automotive belts, Automotive molded parts, Automotive shoes & boots, Electrical jacketing, Fuel hose, Garden hose, Gaskets, Grommets, High temperature applications, Hose and tubing, Hydraulic hose, Industrial aprons, Industrial hose & tubing, and Wire & cable

Compatibility:
- Acrylic rubber
- Chlorinated rubber
- Epichlorohydrin
- Hydrogenated nitrile
- Nitrile
- Polyacrylate

Typical Properties:

Acid number	1.0
Color, Gardner	5.0
Hydroxyl Value, mg KOH/g	15.0
Moisture, %	0.2
Refractive Index, 25°C	1.45
Specific Gravity, 25°C	1.035
Viscosity at 25°C, cps	30.0

Performance Properties:

In Vamac	
Plasticizer, pphr	20.0
100% Modulus, MPa	2.1
Tensile Strength, MPa	12.4
Tensile Strength, psi	1800
Elongation at Break, %	480
Shore A Hardness	69
Low Temperature Brittle Point, °C	-37
Volatilization 138 hrs - 150°C	-7.0
Break after ageing %	200

In Nitrile	
Plasticizer, pphr	20.0
100% Modulus, MPa	1.4
Tensile Strength, MPa	11.6
Tensile Strength, psi	1690
Elongation at Break, %	410
Shore A Hardness	68
Low Temperature Brittle Point, °C	-42
Air Oven Aging	
70 hrs @ 121 °C, Weight Change, %	-6.0
Break after ageing %	150

Packaging:

Container	Weight
Bulk	-- kgs
Drum	18 kgs
Tote	-- kgs

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